

IPD/MPIC-57/64  
7 August 1964

MEMORANDUM FOR: Assistant for Administration, MPIC

SUBJECT: Amendment to [ ] Contract [ ]

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1. It is requested that the Statement of Work for Programming Services dated 29 May 1963 (Attachment 1) and made a part of Contract [ ] dated 28 June 1963 be amended as follows:

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a. The period of performance under Phase II and the total period of performance be extended from 30 November to 30 June 1965.

b. The Scope of the contract be expanded to include the services of additional consultants [ ] or approved alternates in addition to [ ] on a part time basis.

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c. Function 4.2.2 be expanded to include programming services for an IBM 1401 computer.

d. Add a new Function 4.2.3 providing that the Contractor will make available selected programmers who continue to be employed by the Contractor for a period of six months after completion of their tasks outlined in paragraph 4.2 of the basic contract, as amended above, to provide for such modification and/or maintenance of their programs as may become necessary.

2. The requested extension and modifications are not expected to require the allocation of additional funds.

Funds Allocated  
Funds Expended to 30 June 64  
Estimated Costs 1 Jul - 30 Nov 64  
Total Estimated Expenditures under  
Present Contract (including Fee)  
  
Balance Available  
Estimated Costs for Extension  
Estimated Surplus

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IPD/NPIC-57/64

These estimates have been discussed informally with [redacted] and are subject to adjustment. The basis for the computation is shown in attachments 2, 3 and 4.

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3. The extension and modification of this contract are necessary because:

a. We still need contractor assistance because our recruitment and training of programmers has been slower than anticipated.

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b. We wish to continue the services of [redacted] as consultants and add [redacted] to assist with the development of certain specialized equipment.

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c. We wish the assistance of [redacted] on an intensive basis during the latter half of FY 65 to assist with a redesign of our management information system and the design of a comprehensive information storage and retrieval system.

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4. Funds are available under the original allocation to this contract because the rate of expenditures has not reached expected levels.

5. In negotiation of the above extension please explore with the contractor the possibility of having the administrative responsibility for this phase of the overall contract transferred to the contractor's organization in [redacted]

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[redacted] is the only cognizant management representative of the contractor cleared for and personally engaged in this activity. At present, responsibility for administration of the contract programmers rests with an organization in [redacted] the consultants are assigned to the contractor's [redacted] organization. A single point of responsibility would facilitate administration of the programming activity.

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[redacted]  
Chief, Information Processing Division

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APPROVED:

Executive Director, NPIC

Date

29 May 1963

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[REDACTED]

STATEMENT OF WORK  
FOR PROGRAMMING SERVICES

I. SCOPE

[REDACTED] hereinafter referred to as the Contractor, shall furnish the Government with the services of programming personnel, each with a minimum of one year of pertinent programming experience. In addition thereto, Contractor shall furnish the Government with the services, on a part time basis, of [REDACTED] or approved alternates, as consultants in the development and application of computing and data processing systems.

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II. PERIOD OF PERFORMANCE

Performance under the contract will be conducted in two phases. The period of performance under PHASE I will be for approximately three (3) months starting 1 June 1963. The period of performance under PHASE II will be for approximately fifteen (15) months starting on or about 1 September 1963. The total period of performance will be for eighteen months from 1 June 1963 through 30 November 1964, with extension as may be mutually agreed upon by both parties.

III. LEVEL OF EFFORT

## PHASE I:

This PHASE I will be conducted at Contractor's Headquarters facility and at leased computer facilities and shall consist of a level of effort of approximately fifteen programming personnel.

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In addition thereto, from time to time, [REDACTED]

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[REDACTED] or approved alternates, will furnish consulting services to the extent deemed necessary. During PHASE I the activities of the programming personnel will be planned and supervised by the Contractor. Approximately one hundred (100) hours of leased Univac 490 computer time will be provided by the Contractor.

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#### PHASE II

This PHASE II will be conducted at Government facilities and shall consist of a level of effort of approximately fifteen programming personnel, less their travel time involved in locating from their domiciles in [REDACTED] to Washington D.C. and their relocation to [REDACTED] at the completion of their assignments. In addition thereto, from time to time, [REDACTED] or approved alternates, will furnish consulting services to the extent deemed necessary. During PHASE II the activities of the programming personnel will be planned and directed by the Government. However, all administrative and supervisory matters in connection with Contractor's programming personnel will be handled through Contractor's normal channels. No computer time will be provided by the Contractor under this PHASE II.

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#### IV. FUNCTIONS

##### 4.1 PHASE I

- 4.1.1 TRAINING PROGRAM: Contractor will set up a formal training course to acquaint the Contractor's programmers with the computer system configuration, REX (executive program), SPURT (assembly language and program), and NELIAC (compiler

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language and program). This training program will be documented and made available to the Government for use in training Government personnel.

- 4.1.2 NELIAC: Existing versions of NELIAC will be modified to be compatible and efficient in the established computer systems. The NELIAC compiler will be integrated into the programming system, be stored on the drum system, and called by the REX executive program.
- 4.1.3 OTHER SYSTEM PROGRAMMING: The REX and SPURT systems will be investigated to determine if modifications could be economically made to improve their operating efficiency or provide additional capabilities.
- 4.1.4 CAL-COMP PLOTTER ROUTINES: Existing utility routines for the Cal-Comp Plotter shall be investigated and necessary routines prepared to efficiently drive the Cal-Comp Plotter as an on-line peripheral device.
- 4.1.5 UTILITY PROGRAMS: General arithmetic and utility routines will be prepared as defined by the Government.
- 4.1.6 PROGRAM DOCUMENTATION: All programs prepared by Contractor programmers during Phase I shall be documented according to Contractor's existing standards. Should the Government establish a set of new documentation standards, then these new standards will prevail.
- 4.1.7 PROGRESS REPORTS: Progress reports during Phase I will be prepared every two weeks and submitted to the Government.

4.2 PHASE II

4.2.1 UNFINISHED PORTIONS OF PHASE I FUNCTIONS: Any functions specified in PHASE I above which are not completed at the time the programming personnel are transferred to PHASE II will be continued and completed under PHASE II.

4.2.2 PROGRAMMING SERVICES UNDER GOVERNMENT SUPERVISION: Under the direction of the Government, work will consist of programming services for a Univac 490 computer and peripheral equipment.

2/18/51

June 6, 1963  
Revised:  
June 12, 1963

PROGRAMMING SERVICE

PRICE PROPOSAL  
SUMMARY

Work Statement dated May 29, 1963

	<u>Estimated Cost</u>	<u>Fixed Fee</u>	<u>Total</u>
PHASE I			
PHASE II			
TOTAL			

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Schedule 2  
June 12, 1963

PROGRAMMING SERVICES  
COST TO MOVE FURNITURE - POUNDAGE CALCULATION  
PHASE II

<u>Group That Probably Will be Selected</u>	<u>Rooms of Furniture That This Group Has</u>	<u>*Allowance Per Room</u>	<u>Total Weight</u>
5	0	1,145	0
5	1		5,715
1	2		2,286
1	3		3,429
3	4		13,716
<u>15</u>	<u>22</u>		<u>25,146</u>

Amount Rounded To Nearest Thousand - To Page 4

25,000

\* 8,000 Pounds Considered Average For  
a Seven Room House.

Schedule 3  
June 12, 1963

PROGRAMMING SERVICES  
PER DIEM - CALCULATION OF PER DAY COST  
PHASE II

<u>Per Diem Allowance - Per Day</u>				
<u>Group That Probably Will Be Selected:</u>	<u>Per Employee</u>	<u>Per Wife</u>	<u>Per Child</u>	<u>Total</u>
	\$10	\$10	\$ 5	
Single 7				\$ 70
Married:				
No Children 5				100
2 Children 2				60
3 Children 1				<u>35</u>
<u>15</u>				
Total Daily Per Diem - To Page 4				<u>\$265</u>

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